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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Moerner et al.

Serial No.: 10/604,282

Filing Date: July 8, 2003

For: FLUOROPHORE COMPOUNDS AND  
THEIR USE IN BIOLOGICAL  
SYSTEMS

Confirmation No.: 1281

Examiner: Shafiqul Haq

Group Art Unit: 1641

Attorney Docket No.: 12665.0029.NPUS00

**RESPONSE TO FINAL OFFICE ACTION DATED JULY 21, 2006**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22315-1450

Sir:

This paper is submitted in response to the final Office Action dated July 21, 2006.

Reconsideration of this application is respectfully requested.

**Amendments to the claims** begin on page 2.

**Remarks** begin on page 10.